

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: September 13, 2006

Inspector: Diana Walden, Lee Curtis

Location: Transition Stations: Hoyts Hill, Archers Lane, Norwalk Junction

Storm/

Rain Event: Rainfall reporting by NOAA appears to have been interrupted and incomplete since the last inspection.

| Areas of Inspection | Observation | Recommended Action | Corrected Actions |
|------------------------------------|--|---|---|
| Access Roads and Adjacent Roadways | - Hoyts Hill: Access is gained off Hoyts Hill Road. Markings are in place to pave the curb and grade the slope near the driveway. 9/13/06 | -The gully will be filled in if necessary. Asphalt curbing and grading is still proposed for the area. 8/30-9/13/06. | -N/A |
| | - Archers Lane: Water levels at the wetland crossings on the access road to the ROW appear to remain below problem levels. 9/13/06. - An onsite meeting occurred to discuss restoration and finalization of the access road. 9/13/06 | -The 1 st wetland crossing needs some maintenance and sediment removal. See the EC section. 6/28-9/13/06. This stone crossing will be removed and restored to original conditions Waterbars or swales may be installed along the road. 9/13/06 | -Needs attention |
| | - The silt fence along the access road retains accumulated sediment and pooled water. 8/30-9/13/06 Significant sediment still needs to be removed from the wetland 7/26-9/13/06 | - This area will also need some final stabilization measures as this is an ongoing problem. Remove sediment carefully by hand. It is several inches deep in spots 8/9-9/13/06 | - Needs sediment removal. (Future solutions were discussed at the meeting) |
| | -Slopes remain disturbed along the access road where 345kV trenching occurred and stockpiles | - AL contractors will likely need to perform restoration when work is complete here. 5/4- | - Needs attention when work is complete |

| Areas of Inspection | Observation | Recommended Action | Corrected Actions |
|--|--|--|---|
| Access Roads and Adjacent Roadways continued | <p>remain. 8/16-9/13/06</p> <p>- Haybales remain in place where water had pooled in the access road near the stone wall. 9/13/06</p> <p>- Norwalk Junction: Sediment tracking was not noted on Rt 7 as a stone process drive was in place. 9/13/06.</p> <p>-The front portion of the yard is largely disturbed due to extensive parking here. 8/30-9/13/06</p> | <p>9/13/06</p> <p>-Continue to monitor for more permanent solutions if necessary. 9/13/06</p> <p>-Continue to monitor Rt 7 for tracking but the stone process will likely improve conditions. 9/13/06</p> <p>- Stabilize any areas as feasible to reduce disturbance. 8/30-9/13/06</p> | <p>-N/A (Paving is proposed)</p> <p>-Stone process installed at the drive.</p> <p>- Needs attention</p> |
| Foundation construction | <p>-At Archers Lane, Perimeter fence is in place and no soil disturbing work is occurring on site. 9/13/06</p> <p>-At Norwalk Junction: Work continues on the structures and equipment in the station yard. Grading was also occurring for final site surfaces. 9/13/06.</p> <p>-The trench along the perimeter chain link fence was backfilled but a few small stockpiles remain. 9/13/06</p> | <p>-None. 9/13/06</p> <p>- See erosion control section 9/13/06</p> <p>-None. 9/13/06</p> | <p>-N/A</p> <p>- N/A</p> <p>-N/A at this time</p> |
| Erosion and Sediment Controls | <p>-Hoyts Hill: The perimeter silt fence along the wetlands at the rear of the station remains in good shape. 4/6-9/13/06.</p> <p>- The restored wetland at the base of slope continues to revegetate 8/16-9/13/06</p> <p>-One small gully in the southern slope remains</p> | <p>-Fence can likely be removed from most areas as adjacent vegetation is stable. 8/24-9/13/06</p> <p>- Continue to monitor as the area stabilizes. 9/13/06</p> <p>-Determine if the area has stabilized adequately or if</p> | <p>- N/A</p> <p>- N/A.</p> <p>- Needs evaluation when feasible. (no</p> |

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| Erosion and Sediment Controls continued | <p>along the stone pad. The surrounding area is vegetated and may have sufficiently stabilized. 8/30-9/13/06.</p> <ul style="list-style-type: none"> - Archers Lane: Silt fence along the access road at the 1st wetland was intact but retained pooled water. Significant accumulated sediment remains in the wetland. 7/5-9/13/06 - A second area just upgradient had sediment accumulation up to and over the silt fence in the wetland. 8/30-9/13/06 - A few of the repaired areas upgradient of the 2nd wetland crossing at the ROW started to erode again. 8/16-9/13/06 - Haybales remain at the stonewall near Diamond Hill where run-off had been pooling. 8/3-9/13/06 - The silt fence where the process stockpile remains in good shape. 9/13/06 | <p>the gully still needs restoration. 8/16-9/13/06. Future repairs are planned. 8/30-9/13/06</p> <ul style="list-style-type: none"> - Remove sediment carefully by hand. It was several inches deep in spots. 7/5-9/13/06 NU is looking into final stabilization measures as this is an on-going problem. 8/16-9/13/06 - Repair and reinforce controls here as well and remove sediment. 8/30-9/13/06 - See Overhead report. 8/16-9/13/06 - Continue to monitor. 9/13/06 - Revegetate the area to the extent practicable but it is still being used for parking 8/9-9/13/06 | <p>further action may be needed)</p> <ul style="list-style-type: none"> - Still needs attention but restorative solutions were decided at the site meeting - Still needs attention (restorative solutions were decided) - N/A - N/A (The drive will be paved) - N/A until access is complete |
| | <ul style="list-style-type: none"> - Norwalk Junction: Perimeter silt fence remain in good shape along the river. 5/17-9/13/06. - The wetland area at the end of the swale, outside the silt fence, adjacent to the river contains accumulated sediment. 6/7-9/13/06 | <ul style="list-style-type: none"> - None at this time. Continue to monitor controls. 5/17-9/13/06. - The silt is contained and does not yet reach the river. Wetland vegetation was also noted growing here, but silt has built up significantly at the stone outlet and should be removed by hand 6/1-9/13/06 | <ul style="list-style-type: none"> - N/A - Needs attention |

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| | <p>- Increasingly larger areas on site have soil disturbance (due to parking and tracking) leading to additional sediment in the swale. 7/19-9/13/06 This includes the area adjacent to the perimeter chain link fence by the river. 7/26-9/13/06</p> | <p>- Remove accumulated sediment from the swale and continue to improve water quality to the swale by restoring areas wherever feasible. 6/1-9/13/06 Reduce disturbance and tracking as much as possible. 9/7-9/13/06</p> | <p>- Needs attention</p> |
| | <p>-The portion of the swale that was filled in has been regraded but remains exposed 8/16-9/13/06</p> <p>-Access into the site has caused the culvert in the swale to be partially filled with stone and sediment 9/7-9/13/06</p> | <p>-Place stone and revegetate to restore the swale to previous conditions. 8/16-9/13/06</p> <p>-Restore and repair swale. Add additional controls downstream to prevent turbidity. 9/7-9/13/06</p> | <p>- Needs attention</p> <p>- Needs attention</p> |
| Inland Wetland and Watercourse encroachment and mitigation | <p>- Hoyts Hill: The wetland remains well protected and well vegetated 9/13/06</p> <p>-Archers Lane:Significant accumulated sediment in the 1st wetland crossing needs to be removed. 6/28-9/13/06.</p> <p>- Norwalk Junction: The outlet of the drainage swale is at the headwall of the wetland area. Wetland vegetation was growing but silt has accumulated and turbid water remains 6/14-9/13/06</p> | <p>-Erosion controls could likely be removed from most areas. 9/13/06.</p> <p>- Carefully remove the sediment from the wetland where there are significant buildups Some areas have almost 6 inches. 6/28-9/13/06.</p> <p>- Reduce turbidity by controlling its source-disturbed surfaces and dewatering on site. Deeper sediment buildup at the outlet and within the basin should be removed. 5/25-9/13/06.</p> | <p>- N/A.</p> <p>- Still needs attention. More permanent solutions were decided at the meeting</p> <p>-Needs attention</p> |
| State species of concern, threatened and endangered species | <p>- No species of concern are located in these areas of construction.</p> | <p>- N/A</p> | <p>-N/A</p> |

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| Vegetative clearing limits or stabilization | <p>- Norwalk Junction:</p> <p>-A number of bare soil areas around the perimeter of site should be temporarily stabilized/vegetated due to sediment loading to the swale. 7/26-9/13/06.</p> <p>-Vegetation between the site silt fence and the river is well established. 9/13/06</p> | <p>- Restore perimeter surfaces wherever feasible (even if it is temporary) 6/1-9/13/06.</p> <p>- None. 9/13/06</p> | <p>-Still needs attention and problem is worse</p> <p>-N/A</p> |
| Dewatering Norwalk Junction | -No active dewatering was noted at Norwalk Junction. However, several portions of the swale need restoration. 9/13/06 | -Restore swale and increase controls. 8/16-9/13/06. | -Still needs attention |
| Blasting | - All blasting is complete. 9/13/06 | - None at this time. | -N/A |
| Soils | - A few soil stockpiles remain at Norwalk Junction. Most soil was used or removed. 9/13/06. | - Stockpiles remain contained and are limited. 9/13/06. | -N/A |
| Spills and Material Storage | - No obvious drips or spills were noted at the inspection. 9/13/06 . | <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site</p> <p>- Report spills immediately, even if they are being controlled.</p> <p>- Take care not to get carried away and to be vigilant when refueling. Avoid refueling in the areas near the wetlands. See proper storage for all materials.</p> | |
| Additional Observations | | | |

Next likely scheduled inspection:

Wednesday September 20, 2006, Friday September 22, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden



Hoyts Hill Transition Station: Photo on the left shows where curb installation will occur and the slope will be graded. Photo on the right shows an overview of the station with the tracking left by stormwater run-off on the driveway. 9/13/06



Archers Lane: Photo on the left shows an overview of the yard with the recently installed perimeter fence. Photo on the right shows a view of the screening trees that were recently planted. 9/13/06



Archers Lane: Photo on the left shows the sediment accumulation against the silt fence and within the wetland at the first wetland crossing. Norwalk Junction: Photo on the right shows the backfilled area along the perimeter fence with some stockpiles remaining. Muddy conditions have dried out. 9/13/06.



Photo on the left shows silt fence down along the swale as the area along the fence is excavated. Photo on the right shows accumulated sediment remaining in the wetland area and at the outlet. 9/13/06.